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Research Interests

Using gene expression profiling, I have identified a group of glucocorticoid/aldosterone-induced genes that may play an important, concerted role in sodium reabsorption in kidney cells. The focus of my investigation has been on characterizing the specific roles of these gene products in the surface expression of the epithelial sodium channel at the organic, cellular, and molecular levels. This integrated approach has been used to elucidate the fundamental molecular mechanisms associated with sodium reabsorption and blood pressure in health and disease.

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